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PTO/SB/21 (04-04) Approved for use through 07/31/2006. OMB 0651-003/

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				Application Number		004,370	
TRANSMITTAL		Filing Date	Nov	vember 1, 2001			
	FO	RM		First Named Inventor		n et al.	
(to be used for all correspondence after initial filing)			Art Unit	263			
				Examiner Name		son Joseph	
Total Number o	Total Number of Pages in This Submission Attorney Docket Number I-2-0187.1US						
	ENCLOSURES (Check all that apply)						
				COOKED (Office and		After Allowance communication	
Fee Tran	smittal Fo	orm		Drawing(s)		to Technology Center (TC)	
🛛 <sub>F</sub>	ee Attach	ned		Licensing-related Papers		Appeal Communication to Board of Appeals and Interferences	
Amendm	ent/Reply	v		Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)	
	fter Final		1 1 1	Petition to Convert to a Provisional Application		Proprietary Information	
				Power of Attorney, Revocation		Status Letter	
I┌┐┕┛^	ffidavits/c	declaration(s)		Change of Correspondence Ad	ddress	Other Enclosure(s) (please	
Extension	n of Time	Request		Terminal Disclaimer		Identify below):	
Express Abandonment Request			Request for Refund				
Supplemental CD, Number of CD(s)							
Certified Copy of Priority Remarks							
Documer Documer	Form PTO-1449 w/ a copy of the European Search Report and						
Respons Incomple		ing Parts/	two (	2) references		·	
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		to Missing Parts CFR 1.52 or 1.53					
	<del></del>	SIGNA	TURE	OF APPLICANT, ATTOR	RNEY, C	OR AGENT	
Firm or	Micha	el L. Berman			Reg. No	o. 51,464	
Individual name	Volpe	and Koenig, F	P.C.				
Signature 1 MBernan							
Date October 5, 2005							
CERTIFICATE OF TRANSMISSION/MAILING							
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.							
Typed or printed	Typed or printed name Michael L. Berman						
Signature	•	LWS	lem			Date October 5, 2005	
This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to							

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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e required to respond to a collection of information unless it displays a valid OMB control number Under the Paperwork Reduction Effective on THE PENANT Complete if Known Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). 10/004,370 **Application Number** FEE TRANSMITTA Filing Date November 1, 2001 For FY 2005 First Named Inventor Pan et al. **Examiner Name** Jaison Joseph Applicant claims small entity status. See 37 CFR 1.27 Art Unit 2634 (\$) 180.00 TOTAL AMOUNT OF PAYMENT Attorney Docket No. I-2-0187.1US METHOD OF PAYMENT (check all that apply) Check L Credit Card None Money Order Other (please identify): 09-0435 Deposit Account Name:\_InterDigital Communications Corporation Deposit Account Deposit Account Number: For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card Information and authorization on PTO-2038. **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES FILING FEES **SEARCH FEES EXAMINATION FEES Small Entity Small Entity** Small Entity Application Type Fee (\$) Fee (\$) Fee (\$) Fees Paid (\$) Fee (\$) Fee (\$) Fee (\$) Utility 300 150 500 200 250 100 Design 200 100 100 130 50 65 Plant 200 100 300 150 160 80 Reissue 300 150 500 250 600 300 Provisional 200 100 n 0 0 0 2. EXCESS CLAIM FEES **Small Entity** Fee (\$) **Fee Description** Fee (\$) Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent 50 25 Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100 Multiple dependent claims 180 **Total Claims** Extra Claims Fee (\$) Fee Paid (\$) **Multiple Dependent Claims** 0.00 Fee (\$) Fee Paid (\$) HP = highest number of total claims paid for, if greater than 20 0.00 Indep. Claims **Extra Claims** Fee (\$) Fee Paid (\$) HP = highest number of independent claims paid for, if greater than 3 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). **Total Sheets Extra Sheets** Number of each additional 50 or fraction thereof Fee Paid (\$) / 50 = (round up to a whole number) x 0.00 4. OTHER FEE(S) Fees Paid (\$) Non-English Specification, \$130 fee (no small entity discount) Other: Supplemental Information Disclosure Statement 180.00 SUBMITTED BY

Signature

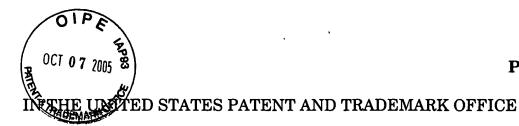
Registration No. 51,464

Name (Print/Type) Michael L. Berman

Registration No. 51,464

Date October 5, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



## In the PATENT APPLICATION of:

Pan et al.

**Application No.:** 10/004,370

Confirmation No.: 7318

Filed:

November 1, 2001

For: INTERATIVE FAST FOURIER TRANSFORM ERROR CORRECTION

Group:

2634

Examiner:

Jaison Joseph

Date: October 5, 2005

I-2-0187.1US

Our File:

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the newly cited documents are enclosed. Copies of previously cited documents are not included.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each new item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed, and that this communication was not received by any individual designated

**Applicant:** Pan et al. **Application No.:** 10/004,370

in §1.56(c) more than three (3) months prior to the filing of the supplemental information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Pan et al.

Michael L. Berman

Registration No. 51,464

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

MLB/ks Enclosures (4) OTPE (8)

FORM PTO-1444 U.S. DEPARTMENT OF COMMERCEMAN PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0187.1US

SERIAL NO. 10/004,370

APPLICANT Pan et al.

FILING DATE November 11, 2001 GROUP 2634

## U.S. PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		DATE IF
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		FOREIGN PATE	INT DOCUMENTS				
						TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
*	00/77942	12/2000	WO				
	OTHER DOCUMEN	ITS (Including Au	thor, Title, Date, Pertinent Pag	jes, Etc.)			
	Ramjee Prasad et al. Third Generation Mobile Communication Systems, Artech House, Boston, 2000						
	Anja Klein et al, "Zero Forcing and Minimum Mean-Square Error Equalization for Multiuser Detection in Code- Division Multiple-Access Channels," <i>IEEE Trans. on Vehicular Technology,</i> Vol. 45, No. 2, pp. 276-287, May, 1996						
	Naja Klein et al, "Data Detection Algorithms Specially Designed for the Downlink of CDMA Mobile Radio Systems," <i>IEEE 47th Vehicular Technology Conference</i> , pp. 203-207, May 1997.						

EXAMINER	DATE CONSIDERED

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		OCT 07	2005 🐷				Sheet	2 of 2
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE  STATEMENT BY APPLICANT			ATTY. DOCKET NO. SERIAL NO. 10/004,370					
			APPLICANT Pan et al.					
			FILING DATE November 11, 2001	GROUP 2634				
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